The house

/122 cont./

356 is swept by the women every day with a broom (ctábando) con-
824 sisting of shrubs of the pšáñga plant. This plant at the same
[825] time drives away fleas. The rubbish is swept out of the house in such a way that even the entrance is clean.

351 All around the house and surrounding it at some distance
417 either a fence is erected or a ditch dug about one meter deep,
[231] within which the poultry and usually the pigs and sheep are kept.
[137] In Calderas, where, because of the low temperature, bamboo
[313] no longer grows, the fence is made of wood obtained from the natural growth when a piece of land is burned off. Stakes are driven vertically into the ground at intervals of about two meters and the interspaces filled with small tree trunks, branches, and twigs up to a good meter in length, lying horizontally. Climbing over this fence is done with notched tree trunks or bamboo stalks placed obliquely against the fence as a ladder. Similar notched tree trunks also serve as ladders in the houses (Ills. 168 and 154 /see pp. 274 and 268/).

514 There are no privies. On account of the isolation of the houses, however, it is never difficult for the Paez to find a place off in the brush or in the forest. We never found the paths
264 and the vicinity of the houses soiled with filth. The Paez showed
[412] the same tact in eating and at other gatherings. We never experienced smacking of lips or belching, even though their eating habits are somewhat crude, for, lacking spoons, they are in the habit of simply shoving their food from the plate into the mouth with the fingers.

/123/ 2. Clothing and Ornaments

291 The Paez today wear clothing covering their upper and lower bodies. In ancient times, according to the reports of chroniclers, some of them were said to have worn small cotton cloaks, although the majority of them "went about naked, even in the cold mountains" (cited by Hernandez, 1944, p. 191,
[302] from P. M. Rodriguez, 1684). They were also said to have painted their bodies with color and to have made imprints on them with

stamps,

000 /129 cont./
357 p.274 /). The same fencing with the same ladder construction
417 generally also surrounds the house gardens of the Paez farms. In case the houseowner has larger domestic animals, such as cows, horses, and sheep, a gate (puélta) consisting either of a regular lath door or a barrier of horizontal beams is built into
[824] the fence surrounding his house. In the villages of the civilized Paez, in the /130/ environs of which tree growth is inadequate for the construction of a wooden fence, bamboo is used for the vertical poles, and bundles of dry maize stalks for the horizontal parts.

241 The entire agriculture of the Paez is digging-stick culti-
412 vation (Ill. 172 /see p. 276/). Hoe culture was originally unknown. The house gardens, only recently laid out after the model of the colonists and in which European plants such as cabbage, cucumbers, and onions are cultivated, are turned over with the spade (pála). The digging stick (ãty) consists merely of a pointed tree-trunk or pole, though recently broad iron tips with
243 a socket are being put on the digging sticks more and more. Maize may be sowed throughout the year, but it is generally sowed in April when the rainy season begins. Several men always participate, making holes in the ground about one meter apart in every direction with the digging stick, and putting six to eight maize kernels into each hole. The holes are covered again with only very little earth with the foot, "so that the sprout can come out more easily." The ripening period of ten to 12 months is relatively long. After half a year the field is cleared of weeds once. The harvest period is spread out over approximately half a year, provided that sufficiently large amounts of maize were planted; and for this half
[262] year the people practically live "from the stalk." First the young maize (tsót; maize in general, kóty) is eaten half-ripe and only later are the ripe ears harvested and eaten. Every day the men or women go into the field with their bags made of agave fibers and break off only as much as is needed each time for the meal.

249 Whereas maize may be cultivated at all elevations in
[243] Calderas, sugar cane (nyũa) thrives only in the lower, protected localities of the Kokiyó Valley. Its ripening period of two to

2: Pittier de Fábrega E-4, 5 (1906) 1907
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They represent the primitive type of habitation, the agglomerations being the result of the efforts of the missionaries.

The villages are generally in the open grazing districts at the bottom of the valleys, on side plateaus, or on broad ridges. They are not compact in the common sense of the word, but consist of isolated groups of houses, the approximate common center of which is often indicated by the whitewashed thatch-roofed church (plate v).

The walls of the permanent houses are made of a kind of *bajareque*, i. e., a skeleton of canes filled in with clay. In the better homes the interior is divided into two or more rooms, usually very small, with a hearth in the middle; but oftener there are no interior partitions, the dwelling consisting of a single square apartment. In every case that came under my observation the interior was very untidy.

The Indians openly objected to our entering their houses, hence I could gain only casual glimpses of their domiciles, the furnishing of which seems to be an imitation of that of the dwellings of the few Spanish people living among them or in the immediate neighborhood.

Outside the houses they generally have a cane-crusher of primitive type, with horizontal smooth cylinders moved by means of levers at each end. A loom and a grinding stone are also seen occasionally under an adjacent shelter (plates IV[1], and VI)[2].

There may often be seen, either about or inside the house, very large jars used as receptacles in the elaboration of the chicha. These utensils seem to be almost the only survival of the ancient earthenware industry. The smaller pottery vessels which were seen occasionally had been taken from old graves.

Each group of houses, in which several generations of a single family dwell, is surrounded by a small enclosed field, planted with sugar-cane, plantains, oranges and other fruits, and greens and roots of daily use. The garden enclosure is formed by a ditch, inside of which is a wooden fence or a stone wall, the latter often crowned by a hedge of maguey (*Furcraea*), lechero (*Euphorbia*), borrachero (*Solanum*), and other bushes.

[1] [See plate facing P. 317 — Anal't]

[2] [See plate facing P. 320 — Anal't]

2: Pittier de Fábrega E-4, 5 (1906) 1907
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351 In this way an efficient protection is afforded against depreda-
[CAPT] tions by cattle or sheep.

CONSTRUCTION OF BRIDGES

491 The Paez Indians are very clever bridge builders and are often called considerable distances to employ their skill in this direction. I observed three different types of native bridges, two of which were entirely new to me. The more primitive one consists simply of a vine stretched across a river, and crossed by hanging and progressing with the hands and arms. The second type is a frail-looking bamboo structure, the base of which is an arch free in the air, or suspended somewhat like our suspension bridges (plates VII, 2). 1

491 335 The third type of bridge is a much more substantial structure, built of heavy timbers apparently with an understanding of the laws of gravity. On each side of the river a pair of strong beams are built into pillars of stonework, so that the weight upon the immured extremities counterbalances the free ends independently of the supports by which the latter are upheld. Thus solidly fixed, the two pairs are opposite each other with a more or less wide space between their extremities. To span this, the ends of both pairs are first connected by means of transverse ties, inserted between beams and props, the whole being solidly lashed together with vines. On these ties two more beams of sufficient length are laid, which serve to complete the span. The main structure of the bridge being thus formed, a heavy floor, generally of round stems, is laid over it, and the whole is protected by a roof of elaborate construction (plates VII, 1, and VIII). It is useless to say that not a single nail is used to unite the numerous parts of the structure, a vine called *Makuia* being exclusively used for this purpose.

491 We saw two of these large structures, one on the Paez river near Huila, the other on the Moras river, on the trail from Vitoncó to Mosoco. But we were informed that most of the larger rivers in Tolima and elsewhere in the Magdalena valley are bridged in the same way, and that Paez Indians are in frequent requisition elsewhere as bridge-builders.

1 [See Plate facing P. 323 —Analyst]